







ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	Heterogeneous Bandgap Structures for Semiconductor Devices and Manufacturing Methods Therefor																				
<p>Application Number: 10/619228 </p> <p>Confirmation Number: 7084</p> <p>First Named Applicant: Adam Saxler</p> <p>Attorney Docket Number: 5308-247</p> <p>Search string: (6329668).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>DP</td><td>1</td><td>6329668</td><td>2001-12-11</td><td>Razeghi</td><td>B1</td><td>257</td><td>14</td></tr></tbody></table> <p>Signature</p> <table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td>1/127/04</td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	DP	1	6329668	2001-12-11	Razeghi	B1	257	14	Examiner Name	Date		1/127/04
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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Attorney Docket Number 5308-247		Serial No. To Be Assigned	
				Applicants: Adam William Saxler			
				Filing Date: Concurrently Herewith		Group	
U. S. PATENTS & PATENT APPLICATION PUBLICATIONS							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
<i>DF</i>	1	6,507,105	1/14/03	Yamagata et al.	257	720	
	2	6,500,694	12/31/02	Enquist	438	109	
	3	6,486,499	11/26/02	Krames et al.	257	81	
	4	6,444,896	9/3/02	Harman et al.	136	239	
	5	6,201,262	3/13/01	Edmond et al.	257	77	
	6	6,323,053	11/27/01	Nishikawa et al.	438	46	
	7	6,187,606	2/13/01	Edmond et al.	438	46	
	8	6,120,600	9/19/00	Edmond et al.	117	89	
	9	6,087,674	7/11/00	Ovshinsky et al.	257	2	
	10	5,932,899	8/3/99	Schubert	257	191	
	11	5,912,477	6/15/99	Negley	257	95	
	12	5,831,277	11/3/98	Razeghi	257	15	
	13	5,739,554	4/14/98	Edmond et al.	257	103	
	14	5,631,190	5/20/97	Negley	438	33	
	15	5,682,041	10/28/97	Kawakubo et al.	257	38	
	16	5,604,135	2/18/97	Edmond et al.	437	22	
	17	5,523,589	6/4/96	Edmond et al.	257	77	
	18	5,416,342	5/16/95	Edmond et al.	257	76	
	19	5,393,993	2/28/95	Edmond et al.	257	77	
	20	5,338,944	8/16/94	Edmond et al.	257	76	
	21	5,201,051	4/6/93	Koide	395	725	
	22	5,027,168	6/25/91	Edmond	357	17	
	<i>DF</i>	23	4,966,862	10/30/90	Edmond	437	100
24		4,918,497	4/17/90	Edmond	357	17	

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FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	Subclass	Translation Yes No		
<i>DF</i>	25	WO02/48434	6/20/02	PCT					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
<i>DF</i>	26	Saxler et al., "Aluminum gallium nitride short-period superlattices doped with magnesium," Applied Physics Letters, Volume 74, Number 14, 5 April 1999, pp. 2023-2025							
<i>DF</i>	27	Kozodoy et al., "Polarization-enhanced Mg doping of AlGaIn/GaN superlattices," Applied Physics Letters, Volume 75, Number 16, 18 October 1999, pp. 2444-2446							
<i>OR</i>	28	Saxler, "A review of the electrical properties of Al _x Ga _{1-x} N materials for UV photodetector applications," Photodetectors: Materials and Devices V, Proceedings of SPIE, Vol. 3948 (2000), pp. 330-341							
<i>OR</i>	29	Saxler et al., "Electrical characterization of Al _x Ga _{1-x} N for UV photodetector applications," SPIE Vol. 3629, January 1999, pp. 211-222							

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10/27/04